

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 32

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 11/04/2014		2. CONTRACT NO. (if any) EP-C-12 054		6. SHIP TO: a. NAME OF CONSIGNEE AWPB-MB	
3. ORDER NO. 0008		4. REQUISITION/REFERENCE NO. PR-CW-14-00745			
5. ISSUING OFFICE (Address correspondence to) (FOR U.S. MAIL ONLY) US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268				b. STREET ADDRESS US EPA-CW-CWOW-AWPD MB 1200 PENNSYLVANIA AVE., NW WDC 4503-0	
				c. CITY WASHINGTON	d. STATE DC
				e. ZIP CODE 20460	
7. TO: DEBORAH HILSON				f. SHIP VIA	
a. NAME OF CONTRACTOR R T I International				8. TYPE OF ORDER	
b. COMPANY NAME				a. PURCHASE REFERENCE YOUR	
c. STREET ADDRESS PO BOX 12194 (b)(4)				X b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract. Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated	
d. CITY RESEARCH TRIANGLE PARK		e. STATE NC	f. ZIP CODE 277092194		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE CPOD	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. FOWOSB					12. FOB POINT Destination
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 09/26/2014	
		14. GOVERNMENT B/L NO		16. DISCOUNT TERMS	

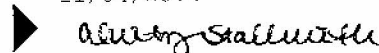
## 17. SCHEDULE (See reverse for Rejections)

ITEM NO (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: (b)(4) Support for SICRET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities TOPO: Charles Kovanch  Continued ...					

18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont pages)
21. MAIL INVOICE TO:						
a. NAME RTP Finance Center		b. STREET ADDRESS US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive				\$374,452.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711			17(i) GRAND TOTAL

22. UNITED STATES OF  
AMERICA BY (Signature)

11/04/2014



ELECTRONIC  
SIGNATURE

23. NAME (Typed)  
Courtney Stallworth  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER  
11/04/2014

CONTRACT NO.  
EP C-12-034

ORDER NO  
0008

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268</p> <p>Period of Performance: 11/04/2014 to 07/31/2015</p> <p>Base Period - Provide services in accordance with attached Performance Work Statement entitled, "SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities" This task order award is a result of RFP PR OW-14-00607</p> <p>LCE 1,717 Award Type: Cost-plus-fixed-fee Total Estimated Cost: \$374,452.00 Fixed Fee: \$0.00 Term Form</p> <p>Accounting Info: 14-15-B-87FM-202BD4XPQ-2505-LSHD0000-1 487ME4050-001 BFY: 14 BFY: 15 Fund: B Budget Org: 87FM Program (PRC): 202BD4XPQ Budget (BOC): 2505 Job #: LSHD0000 DCN - Line ID: 1487ME4050-001 Funding Flag: Complete Funded: \$154,000.00</p> <p>Accounting Info: 14-15-B-87EH-202BE2-2505-LSHD0000-1487 ME4050-002 BFY: 14 BFY: 15 Fund: B Budget Org: 87EH Program (PRC): 202BE2 Budget (BOC): 2505 Job #: LSHD0000 DCN - Line ID: 1487ME4050-002 Funding Flag: Complete Funded: \$146,000.00</p>				374,452.00	
0002	<p>Option Period 1 - Provide services in accordance with attached Performance Work Statement entitled, "SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities" This task order award is a Continued ...</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(h))

\$374,452.00



**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO

3

IMPORTANT: Mark all packages and papers with contract and/or order numbers

DATE OF ORDER

CONTRACT NO.

ORDER NO

11/04/2014

FP-C-12-064

0008

ITEM NO (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	result of RFP PR-OW-14-00607  LOE 1,968 Award Type: Cost-plus-fixed-fee Total Estimated Cost: (b)(4) Fixed Fee: (b)(4) Term Form (Option Line Item) 06/01/2015 Period of Performance: 08/01/2015 to 07/31/2016					
0003	Option Period II - Provide services in accordance with attached Performance Work Statement entitled, "SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities" This task order award is a result of RFP PR-OW-14-00607  LOE 1,262 Award Type: Cost-plus-fixed-fee Total Estimated Cost: (b)(4) Fixed Fee: (b)(4) Term Form (Option Line Item) 06/01/2016 Period of Performance: 08/01/2016 to 07/31/2017					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

## SECTION B - Supplies or Services/Prices

### B-1 EPAAR 1552.217-71 OPTION TO EXTEND THE TERM OF THE CONTRACT-COST-TYPE CONTRACT. (APR 1984)

The Government has the option to extend the term of this contract for 5 additional period(s). If more than 30 days remain in the contract period of performance, the Government, without prior written notification, may exercise this option by issuing a contract modification. To exercise this option within the last 30 days of the period of performance, the Government must provide to the Contractor written notification prior to that last 30-days of the period. This preliminary notification does not commit the Government to exercising the option. Use of an option will result in the following contract modifications:

(a) The "Period of Performance" clause will be amended to cover a base period and option periods:

Period	Start Date	End Date
Base Period	11/04/2014	07/31/2015
Option Period 1	08/01/2015	07/30/2016
Option Period 2	08/01/2016	07/30/2017

(b) Paragraph (a) of the "Level of Effort" clause will be amended to reflect a new and separate level of effort of:

Period	Level of Effort
Base Period	1717
Option Period 1	1968
Option Period 2	1262

(c) The "Estimated Cost and Fixed Fee" clause will be amended to reflect increased estimated costs and fixed fee for each option period as follows:

Period	Estimated Cost	Fixed Fee	Total CPFF
Option Period 1	(b)(4)	(b)(4)	\$316,698
Option Period 2	(b)(4)	(b)(4)	\$238,820

(d) If the contract contains "not to exceed amounts" for elements of other direct costs (ODC), those amounts will be increased as follows: N/A

### B-2 LOCAL CLAUSES EPA-B-16-102 ESTIMATED COST AND FIXED FEE

(a) The estimated cost of this contract is \$374,452.

(b) The fixed fee is \$0.

(c) The total estimated cost and fixed fee is \$374,452.

### B-3 LOCAL CLAUSES EPA-B-32-101 LIMITATION OF FUNDS NOTICE

(b)(4) (a) Pursuant to the Limitation of Funds clause, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 6/13/2015.

(b) When the contract is fully funded as specified in the Estimated Cost and Fixed Fee Clause (EP 52.216-190), the Limitation of Cost clause shall become applicable.

(c) Recapitulation of Funds

EP-C-12-054 Task Order 0008			
	Estimated Cost	Fixed Fee	Cost Plus Fixed Fee
Initial Award	(b)(4)	(b)(4)	\$300,000.00
Total Funded			\$300,000.00
Total Task Order			\$374,452.00
Balance Unfunded			\$74,452.00

**SECTION F - Deliveries or Performance**

**F-1 LOCAL CLAUSES EPA-F-12-101 PERIOD OF PERFORMANCE**

The period of performance of this contract shall be from 11/04/2014 through 07/31/2015 of all required reports.

**SECTION G - Contract Administration Data**

**G-1 LOCAL CLAUSES EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES**

Contract-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Charles Kovatch  
USEPA Headquarters  
William Jefferson Clinton Building  
1200 Pennsylvania Avenue, N. W.  
Mail Code: 4503T  
Washington, DC 20460  
Phone: 202-566-0399  
Kovatch.charles@Epa.gov

Dwane Young  
USEPA Headquarters  
William Jefferson Clinton Building  
1200 Pennsylvania Avenue, N. W.  
Mail Code: 4503T  
Washington, DC 20460  
Phone: 202-566-1214  
Young.dwane@Epa.gov

Contracting Officials responsible for administering this contract are as follows:

Noelle Mills  
26 West Martin Luther King Drive  
Mail Code: NWD1  
Cincinnati, OH 45268  
Phone: 513-487-2171  
mills.noelle@epa.gov

Courtney Stallworth  
26 West Martin Luther King Drive  
Mail Code: NWD1  
Cincinnati, OH 45268  
Phone: 513-487-2002  
[stallworth.courtney@epa.gov](mailto:stallworth.courtney@epa.gov)

**SECTION J - List of Documents, Exhibits and Other Attachments**

<b>Attachment Number</b>	<b>Attachment Title</b>	<b>Date</b>	<b>Number of Pages</b>	<b>Cross Reference Materials</b>	<b>Document Version</b>
1	PWS	10/23/2014	18		BASE
2	Communications memo	10/23/2014	1		BASE
3	COR CK	10/27/2014	5		BASE
4	Alt COR DY	10/27/2014	5		BASE

**PERFORMANCE WORK STATEMENT**  
**TSAWP IDIQ MULTIPLE-AWARD CONTRACT**  
**EP-C-12-054 TO 0008**

**SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities**

**A. BACKGROUND:**

EPA's STOrage and RETrieval Warehouse (STORET) is the Agency's primary repository for storing ambient water quality data. STORET contains data of documented quality. It is also the primary means for states to satisfy their Clean Water Act (CWA) 106 grant requirements to annually provide water quality data to EPA. STORET provides a foundation for the Office of Water when analyzing national water quality trends and in making informed decisions on water quality issues. STORET provides an accessible and consistent national data format for analysis of the surface and groundwater quality of the United States to allow EPA and our customers to use the information to develop program products and provide overall information on program outcomes in the water. EPA's monitoring and assessment program maintains the STORET Warehouse to be a cross-jurisdictional source of data that organizations may use to assess water quality; in particular, for states that are required to assess water quality within the 305(b) and 303(d) Integrated Reporting process. In addition, STORET partners with the USGS to make data available from both agencies through the Water Quality Portal (see <http://waterqualitydata.us>) using WQX as a common data standard.

The purpose of this effort is to work with the data owners among EPA programs and federal, state, tribal, and public data partners to support water monitoring data sharing using WQX and increase water monitoring data utility out of STORET.

The contractor shall provide support to the EPA Task Order Contracting Officer Representative (TOCOR) by providing technical assistance in association with activities on STORET and WQX to enhance the data holdings and data analysis tools available to data users. This assistance shall support EPA's activities to increase the water data holdings in STORET through new or non-traditional data owners and make the data available to all users through the Portal. The non-traditional data owners include, but not limited to, EPA research projects, EPA geographic initiative projects, state agencies beyond the traditional water quality and CWA 106 reporting agency, and other data owners. EPA plans to support these data owners through outreach and technical support to identify new partners and provide assistance in migrating their data to WQX.

The contractor assistance shall also support EPA's activities to provide data analysis tools off of STORET. STORET has served as a repository for data users to search and retrieve water data for their own analysis. As the visibility and utility of water data increases, as exhibited in the high use of Portal web services, EPA is responding to user demand to develop analytical tools. These new tools will provide users with quick options to view the data in STORET and receive summary statistics and trends. The contractor shall support EPA in exploring options with EPA and state programs, like NPDES and non-point source, to develop tools that will help reduce the data discovery and analysis burdens for these programs.

Technical Direction may come from the EPA TOCOR, Alternate TOCOR if the TOCOR is on leave or travel, the PO, or the CO.

## **B. TASKS**

### **Task 1 – Quality Assurance/ Quality Control**

1.1 EPA has determined that a QAPP is not required for this task order as it is preliminary and broad. However, the contractor shall adhere to the Contract-level Quality Management Plan (QMP) in performing the scope of requested services in this task order, and shall take into consideration the QMP. The project plans will be reviewed later to determine whether a QAPP will be needed.

#### *Additional QA Documentation Required*

- 1.1. All major deliverables produced by the contractor under this Task Order shall include a discussion of the QA/QC activities that were or will be performed to support the deliverable.
- 1.2. The contractor shall immediately notify the EPA TOCOR in writing of any QA problems encountered that may impact the performance of this Task Order, with recommendations for corrective action.
- 1.3. The contractor also shall provide EPA with monthly written reports of QA-related activities performed during implementation of this Task Order (see Section D “Reporting” below). These monthly written QA reports shall identify QA activities performed to support implementation of this task order, problems encountered, deviations from the QMP, SOPs, checklists, or other QA guidance, and corrective actions taken. The contractor shall include this as a part of the required monthly financial/technical progress report required by the contract.
- 1.4. The contractor shall notify the EPA TOCOR in writing at any time during the task order Period of Performance if changes are warranted to the QA-related protocols, SOPs, checklists, etc., (e.g., due to organizational changes or revised technical approaches).
- 1.5. The contractor shall include a formal written QA/QC section within each major deliverable (as specified above).

### **2. Task 2 – Project Management**

2.1 Under this project, there shall be regular communication between EPA team members and contractor staff. This communication shall be in the form of monthly team meetings during which time the TOCOR, and EPA and contractor staff will review the status of work. The contractor shall work with the TOCOR to develop meeting agendas for these monthly meetings, and shall maintain meeting minutes and action items that will be tracked and reported on during these meetings. In addition to these monthly full project status meetings, the project manager shall participate in weekly status update meetings with the TOCOR and ATOCOR. Should any discussions need to occur over issues or concerns that have been raised to the TOCOR, they will determine if these issues or concerns should be discussed at the full team level or with the contractor project manager.

The project plan will be considered a living document that can be adjusted during the monthly project team meetings. In addition to the project plan, the contractor shall provide a baseline schedule that can be updated as needed, and upon the direction of the TOCOR, a Work Breakdown Structure, and monthly progress and

financial reports. Aside from the kick-off meeting described in Task 3, all meetings shall be held via telephone conference line, which will be provided by EPA.

### **3. Task 3 – “Kick Off” meeting.**

3.1 Prior to beginning work on this task order, the TOCOR shall schedule a kick-off meeting with the contractor to discuss the tasks within this task order, the goals of the task order, and to review the schedule of benchmarks, deliverables, and milestones. The contractor shall plan for one half-day trip for two people to Washington, DC for this kick-off meeting. For the beginning of each option period, the contractor shall plan for similar half-day trips at the beginning of each option period to attend an option period planning meeting.

### **4. Task 4 – Training, Outreach, and Engagement with the STORET/WQX User Community**

4.1 Under this task, the contractor shall develop training and outreach materials in support of STORET, WQX, and the Water Quality Portal. In addition to developing these materials, the contractor shall participate in the monthly STORET user call to ensure that the contractor is hearing about the needs of the user community.

The contractor shall evaluate the existing WQX and WQX Web user guides and provide recommendations on ways to streamline these user guides, with an intention to develop user guides that are smaller for specific audiences (with particular focus on tribes and citizen groups). Upon making these recommendations, the contractor shall work with the TOCOR to determine which of the recommendations to implement.

Since the release of the Water Quality Portal, the Portal has supported a growing number of users. However, there are still many potential users who are not yet aware of the Portal all materials must be 508 compliant. The contractor shall develop 2-3 page training factsheets for the portal, as well as 2-page example use cases of the portal. These materials will be used by EPA to expand the usage of the Portal.

As part of EPA’s continued effort to support users of WQX Web and the Water Quality Portal, the contractor shall provide trainings, both webinar and on-site, for states, tribes, and citizen groups. The contractor shall use existing training materials, in addition to using the new abbreviated materials, developed under this task. The contractor shall be responsible for developing the agendas for the trainings, as well as any additional materials that will be needed for the training. For estimation purposes, the contractor shall plan for 2 webinar trainings in the base period and 2 webinar trainings for each of the option periods as well as 2 on-site trainings in the base period and 2 on-site trainings in each of the option periods. For estimation purposes, the contractor shall plan for travel for 2 trainers for each on-site training, and for the base period, the trainings would be located in Trenton, NJ and Dallas, TX. For option period 1, the contractor shall plan for trainings in Chelmsford, MA and Denver, CO. For option period 2, the contractor shall plan for trainings in Seattle, WA and San Francisco, CA. On-site training will be 1 ½ days in length, and webinar trainings will be 4-6 hours in length. Webinar functionality and conference lines will be provided by EPA.

### **Task 5 – Support for New Partners**

5.1 The contractor shall support EPA’s activities to increase the water monitoring data holdings in STORET through new or non-traditional partners and make the data available to all users through the Portal. Traditionally, EPA has worked with state and tribal ambient water monitoring programs to share data. EPA recognizes that there are additional data sets within state and tribal agencies which have not been engaged with the STORET or WQX program. This is especially true for biological and habitat data that are being collected. EPA



also recognizes that there are water monitoring datasets within EPA, and the contractor shall support EPA in making those datasets to be available through WQX.

Under this task, the contractor shall support EPA in identifying these new data partners, engaging with these partners to explain STORET, WQX, and the Water Quality Portal, providing technical assistance to these new partners in sharing data via WQX, and providing support to these new partners as they take ownership for maintaining the exchange of data via WQX. The contractor shall work with the TOCOR to identify data sets that are currently not available through the Portal. The TOCOR will select from these data sets and potential partners 3 new partners with their corresponding data sets for whom to provide assistance. The TOCOR will select 3 new partners for each of the base and option periods. In addition to these 3 partners, the TOCOR will select one EPA program to provide assistance to in making the data available through the Portal for each of the base and option periods. Potential EPA programs include, but are not limited to: The Great Lakes National Program Office, the Chesapeake Bay Office, Office of Solid Waste and Emergency Response, and the Office of Research and Development.

This technical support shall include kick-off calls with the data partner (to be initiated by the TOCOR); initial assessments of the data partners' existing data sets that are currently not available via WQX; potential site-visits to provide additional training and assessment; development of assistance plans that the data partner would agree to which would include the expectations from EPA, the data partner, and the contractor; development of tools or procedures to help data partners adopt WQX; mapping of data partner data to the WQX schema; and transition plans/instructions to enable the transitioning of tools, procedures, and other capability developed under this task from the contractor to the data partner.

For estimation purposes, the contractor shall plan for 1 1-day trip to the following locations for the base and option periods:

Base Period: Columbus, OH; Chicago, IL; Providence, RI; Richmond, VA

Option Period 1: Portland, OR; Seattle, WA; Charleston, WV, Annapolis, MD

Option Period 2: Augusta, ME; Cincinnati, OH; Little Rock, AR, Washington, DC

#### **Task 6 – Develop Data Analysis Tools**

The contractor shall support EPA's activities to provide web-based data analysis tools off of the Water Quality Portal. The Portal provides a web services Application Program Interface (API) for programmatically interacting with water quality monitoring data from EPA's STORET system, USGS's National Water Information System (NWIS), and USDA ARS's STEWARDS system. This API can be leveraged to develop applications that both discover relevant monitoring data and conduct analysis against that data. Some potential examples of analysis tools include developing mean, minimum, and maximum values; trends; comparisons against water quality criteria; estimation of background conditions; and developing loading calculations.

Under this task, the contractor shall support EPA in developing web-based tools that facilitate both the discovery of water quality monitoring data as well as analytical tools that can be used to evaluate the data for program specific purposes. All products must consider EPA security requirements and 508 compliance. Specifically, the contractor shall provide support in scoping out and developing the following tools:

1. A tool that allows NPDES permit writers to discover relevant monitoring data upstream and downstream of a permitted facility to allow for a permit writer to evaluate background conditions of select parameters. The contractor shall leverage existing EPA WATERS up stream/downstream services and other existing services.<sup>1</sup>
2. A tool that demonstrates the capability to discover water quality monitoring data for use in water quality assessments.
3. A tool that demonstrates the capability to analyze water quality monitoring data against water quality criteria.
4. A tool that will assist tribes in determining stations that meet the specifications of counting toward strategic measure targets for both SP-14a and SP-14b of the 2009-2014 EPA Strategic Plan.

All of these tools shall be developed using open-source technology, e.g. R Studio, and properly documented with the intent of being able to be used by EPA, and state and tribal partners. The contractor will work with EPA and USGS to meet the code specifications to make the tools available through the EPA STORET webpage and the Water Quality Portal. All tools shall be developed using an iterative process. The contractor shall plan for three iterations on each tool with the TOCOR providing feedback at each iteration and the final iteration being the delivery of the final product.

For the base period the contractor shall plan to develop one of the above tools, with the selected tool being chosen by the TOCOR after discussion and recommendations from the contractor. In Option Period 1, two of the above tools would be developed, and in Option Period 2, the final one tool would be developed, again at the direction of the TOCOR and following discussion and recommendations from the contractor.

#### **5. Task 7 Develop Citizen Scientist Secchi Dip-in Mobile App (Optional Task)**

7.1 Since 1994, trained volunteer monitors have been taking water transparency readings in July, mostly at lakes and reservoirs (and some streams) they regularly monitor. They then send those readings to the national Secchi Dip-In database maintained by Bob Carlson of Kent State University, the founder of the Dip-In (originally funded under a small EPA grant). These volunteers are members of many different monitoring programs around the U.S. and Canada and conduct the transparency readings using Secchi Disks, transparency tubes, and/or other devices supplied by their programs. They also submit information on waterbody identification, weather conditions, methodology (which may differ among programs) and general water quality and water use conditions.

Water transparency is a common measurement relating to the depth of light penetration. It provides a measure of the amount of suspended inorganic and organic matter in the water and over time can be used as an indicator of water quality change.

Under this optional task, the contractor shall develop a citizen science mobile application that allows volunteers who are members of volunteer water monitoring programs to send transparency data and location information to WQX/STORET during the Secchi Dip-In “window” of time (July of each year). The data would be identified as Dip-In information for easy retrieval, output and analysis. Volunteers would also submit lake\_name, location, methodology, reporting units, and weather information chosen from a pick list.

The data would be displayed on an interface, leveraging Geospatial services, displaying monitoring locations and Secchi depth averages. In addition, all data collected from previous Secchi Dip-In events shall be migrated to

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<sup>1</sup> WATERS provides a suite of interoperable services that expose components that perform complex analysis and supporting strategic datasets, such as NHD, NHDPlus, and WBD. The WATERS Web Services are located at <http://water.epa.gov/scitech/datait/tools/waters/services/index.cfm> and WATERS Mapping Services are located at [http://water.epa.gov/scitech/datait/tools/waters/services/mapping\\_services.cfm](http://water.epa.gov/scitech/datait/tools/waters/services/mapping_services.cfm)

WQX/STORET.

Technical Design – The contractor shall consider the following components:

- The contractor, under the direction of the TOCOR, shall work with North American Lake Monitoring System (NALMS) to identify a viable option that meets the needs of their volunteer community. The solution would need to support the following:
  - Data entry from a mobile device, specifically Windows, Android and IOS.
  - Data caching so that the mobile app could function in an off-line mode (many of the lakes may be in areas that don't have cell coverage)
  - Syncing of data between the mobile app and a central server that manages the collected data
  - The mobile app shall have a simple interface, but still be able to provide all of the metadata needed to submit a complete dataset to WQX
  - Metadata shall be automatically populated where possible
  - A simple user interface that interacts with the central server
  - The central server shall automatically sync finalized data with WQX
- Some technical information to consider when exploring technical approaches with NALMS to evaluate the best-fit to meet the requirements of the Secchi Dip-In include:
  - Cloud Based Technology: Leverage an existing cloud-based system that already has built-in capability to sync data to WQX, reporting capability, data display and graphing capability, and QA/QC capability.
  - Mobile Technology: EPA has already developed mobile apps for the collection of data as part of the National Aquatic Resource Surveys. Although these apps are much more complicated than what would be needed for the Secchi Dip-In, they could be modified to meet the needs of the Dip-In. These apps already have the ability to work on both Android and iOS devices. They can also cache data and sync with a central server. Additional work would need to be done in modifying the mobile app to meet the needs of NALMS. NALMS would become the responsible party for maintaining and distributing the app after EPA provided the initial assistance to develop the app. Assistance would also need to be provided to NALMS in the development of a simple central database that can receive the communication from the mobile apps. Open source technology would be used where possible. The capability to automatically sync the data to WQX would also need to be developed.
  - Other Technology: Some combination of these two options or other existing or Open Source technologies might also be a viable solution.
- Under any of these options, NALMS would manage user access for the mobile devices. The contractor shall also explore assisting NALMS in setting up an automated registration capability to allow users to register to submit data as part of the Dip-In.
- All design and development must be 508 compliant.
- Contractor shall use HTML 5 when developing any apps.

7.2 Data Migration - As part of the Secchi Dip-In, the contractor shall explore the options to migrate the previous years' Secchi Dip-In data to WQX. We expect this to be a small effort since the data fields are limited to one result and associated metadata.

7.3 Data Display – The contractor shall explore the options and capabilities needed to create analysis and display capabilities for the Secchi Dip-In data. The contractor shall work with the TOCOR to discuss with NALMS the options for the data display component to be delivered, develop that capability, and deliver to NALMS for hosting

on their website.

7.4 Technical Approach Review – All Agency products must go through mobile application review before development can begin. The contractor shall provide support in providing materials for internal EPA application development review.

Activity under this task will be spread over the base period and option period 1. There is not expected to be any activity under this task during option period 2.

**C. SCHEDULE OF BENCHMARKS, DELIVERABLES & MILESTONES:**

**BASE YEAR (Tentatively September 30, 2014 – July 30, 2015):**

<b>Task No.</b>	<b>Benchmark, Deliverable or Milestone</b>	<b>Schedule</b>
1	Notification that changes are warranted related to QA	Within one day of occurrence
1	Formal QA/QC Section	To be included in each major deliverable (as defined in Task 1)
1	Written Monthly QA Report	To be included in the Monthly Progress Report (See Section D)
2	Project Plan	Within 30 business days of award
2	Baseline schedule for the project and any updated schedules	Baseline schedule due within 30 business days of award and updated schedules due within 5 business days of receiving direction from TOCOR
2	Work Breakdown Structure (WBS) of work at a level of detail suitable for the project size	Within 30 business days of award
2	Financial and Progress Reports to track project progress and status (per contract requirements)	Monthly
2	Participation in monthly project status calls	Monthly as directed by TOCOR
2	Project manager participation in weekly 30 minute status update meetings with the TOCOR and ATOCOR	Weekly as directed by TOCOR
2	Weekly meeting status notes	Within 2 business days following the completion of the meeting

Task No.	Benchmark, Deliverable or Milestone	Schedule
2	Maintain monthly project team agendas, meeting minutes, and action items	Complete 1 week prior to the next monthly meeting as scheduled by the TOCOR
3	Kick-off meeting	Within 10 business days of task order award
4	Participation in monthly STORET User Call	Monthly as directed by the TOCOR
4	Review of WQX and WQX Web user guides and provide options to develop abbreviated user guides to reach new users	Within 20 business days of receiving direction from the TOCOR to proceed
4	Develop 2 abbreviated training fact-sheets for the Water Quality Portal that are no more than 3 pages in length	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop 3 Water Quality Portal use-case fact sheets that show existing or potential uses of the portal	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop and conduct webinars trainings (2) on WQX, WQX Web and the Water Quality Portal	Webinars will be scheduled by the TOCOR in consultation with the attendees and the contractor. Once scheduled, the contractor shall provide the webinar on schedule
4	Develop and conduct state/tribal on-site trainings (2) on WQX, WQX Web, and the Water Quality Portal	Trainings will be scheduled by the TOCOR in consultation with the trainees and the contractor. Once scheduled,

<b>Task No.</b>	<b>Benchmark, Deliverable or Milestone</b>	<b>Schedule</b>
		the contractor shall provide the trainings on schedule
5	List of new potential data partners and data sets	Due within 20 business days from receiving direction to proceed from the TOCOR
5	Final list of 3 new partners and 1 new EPA data set to target for migration to WQX, which should include the schedule for engaging these new partners	Due within 10 business days from receiving direction from to proceed from the TOCOR
5	Assessments of partner data sets and capabilities (3 non-EPA, 1 EPA)	Due within 10 business days following the initial meeting or visit with the partner or EPA office
5	Assistance plan for each of the new data partners (3 non-EPA, 1 EPA)	Due within 10 business days following the completion of the assessment of the partner data sets and capabilities
5	Migration assistance tools, procedures, and capabilities for the new data partners (3 non-EPA, 1 EPA)	Due within 30 business days following the approval of the assistance plan by the TOCOR
5	Transition plan/instructions for each of the new data partners (3 non-EPA, 1 EPA)	Due within 15 business days from receiving direction from the TOCOR to proceed
6	Contractor recommendation of the 1 tool to be developed in the base period	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Scoping document outlining the proposed functionality and design of the tool	Due within 20 business days from receiving direction from the TOCOR to proceed
6	Test plan for testing the functionality of the 1 tool	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Draft tool (plan for 2 iterations)	Draft tool will be delivered no later than March 31, 2015 unless otherwise directed by the TOCOR. Iterations of the

<b>Task No.</b>	<b>Benchmark, Deliverable or Milestone</b>	<b>Schedule</b>
		tool will be reported on to the TOCOR during the monthly and/or weekly meetings, with the first iteration complete within 30 business days of the approval of the scoping and design document
6	Final tool review to ensure design specifications are met	Draft tool will be delivered no later than April 30, 2015 unless otherwise directed by the TOCOR.
6	Final tool (delivered after final iteration)	Final tool will be delivered no later than May 31, 2015 unless otherwise directed by the TOCOR
6	Tool documentation and user guide	Due within 20 business days from receiving direction from the TOCOR to proceed
7	Proposed approach for capturing, storing, sharing, and displaying data	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Test plan	Due within 10 business days from receiving direction from the TOCOR to proceed
7	Mobile app for capturing data (platform to be identified in the proposed approach)	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Data system for capturing data and managing users	Due within 40 business days from receiving direction from the TOCOR to proceed
7	Web interface for data submitters to be able to review, correct, and edit data	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Automated procedures for syncing data to WQX	Due within 30 business days from receiving direction from the TOCOR to proceed



<b>Task No.</b>	<b>Benchmark, Deliverable or Milestone</b>	<b>Schedule</b>
7	Migration of previous years' Secchi Dip-In data to WQX	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Documentation of mobile app and data system	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Data display tools (approach identified in the proposed approach)	Due within 30 business days from receiving direction from the TOCOR to proceed

**Option Period 1 (August 1, 2015 – July 30, 2016):**

<b>Task No.</b>	<b>Benchmark, Deliverable or Milestone</b>	<b>Schedule</b>
1	Notification that changes are warranted related to QA	Within one day of occurrence
1	Formal QA/QC Section	To be included in each major deliverable (as defined in Task 1)
1	Written Monthly QA Report	To be included in the Monthly Progress Report (See Section D)
2	Updates to the project plan for this option period	Within 15 business days of the beginning of the option period
2	Updates to the schedule	updated schedules due within 5 business days of receiving direction from TOCOR
2	Updates to the Work Breakdown Structure (WBS)	Within 15 business days of the beginning of the option period
2	Financial and Progress Reports to track project progress and status (per contract requirements)	Monthly
2	Participation in monthly project status calls	Monthly as directed by TOCOR
2	Project manager participation in weekly 30 minute status update meetings with the TOCOR and ATOCOR	Weekly as directed by TOCOR
2	Weekly meeting status notes	Within 2 business days following the completion of the meeting

Task No.	Benchmark, Deliverable or Milestone	Schedule
2	Maintain monthly project team agendas, meeting minutes, and action items	Complete 1 week prior to the next monthly meeting as scheduled by the TOCOR
3	Option period planning meeting	Within 10 business days of beginning of the option period
4	Participation in monthly STORET User Call	Monthly as directed by the TOCOR
4	Develop 2 Water Quality Portal use-case fact sheets that show existing or potential uses of the portal	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop and conduct webinars trainings (2) on WQX, WQX Web and the Water Quality Portal	Webinars will be scheduled by the TOCOR in consultation with the attendees and the contractor. Once scheduled, the contractor shall provide the webinar on schedule
4	Develop and conduct state/tribal on-site trainings (2) on WQX, WQX Web, and the Water Quality Portal	Trainings will be scheduled by the TOCOR in consultation with the trainees and the contractor. Once scheduled, the contractor shall provide the trainings on schedule
5	Final list of 3 new partners and 1 new EPA data set to target for migration to WQX, which should include the schedule for engaging these new partners	Due within 10 business days from receiving direction from to proceed from the TOCOR
5	Assessments of partner data sets and capabilities (3 non-EPA, 1 EPA)	Due within 10 business days following the initial meeting or visit with the partner or EPA office

<b>Task No.</b>	<b>Benchmark, Deliverable or Milestone</b>	<b>Schedule</b>
5	Assistance plan for each of the new data partners (3 non-EPA, 1 EPA)	Due within 10 business days following the completion of the assessment of the partner data sets and capabilities
5	Migration assistance tools, procedures, and capabilities for the new data partners (3 non-EPA, 1 EPA)	Due within 30 business days following the approval of the assistance plan by the TOCOR
5	Transition plan/instructions for each of the new data partners (3 non-EPA, 1 EPA)	Due within 15 business days from receiving direction from the TOCOR to proceed
6	Contractor recommendation of the 2 tools to be developed in this period	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Scoping document outlining the proposed functionality and design of the tools	Due within 20 business days from receiving direction from the TOCOR to proceed
6	Test plan for testing the functionality of the 2 tools	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Draft tools (plan for 2 iterations each)	Draft tools will be delivered no later than April 30, 2016 unless otherwise directed by the TOCOR. Iterations of the tools will be reported on to the TOCOR during the monthly and/or weekly meetings, with the first iteration complete within 30 business days of the approval of the scoping and design document
6	Final tools (delivered after final iteration)	Final tools will be delivered no later than May 31, 2016 unless otherwise directed by the TOCOR

Task No.	Benchmark, Deliverable or Milestone	Schedule
6	Tools documentation and user guides	Due within 20 business days from receiving direction from the TOCOR to proceed
7	Training for NALMS staff	Training will be scheduled by the TOCOR in consultation with NALMS and the contractor. Once scheduled, the contractor shall provide the training as scheduled
7	On-line training module for Secchi Dip-In participants	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Transition tools and capability to NALMS and EPA	Due within 30 business days from receiving direction from the TOCOR to proceed

**Option Period 2 (August 1, 2016 – July 30, 2017):**

Task No.	Benchmark, Deliverable or Milestone	Schedule
1	Notification that changes are warranted related to QA	Within one day of occurrence
1	Formal QA/QC Section	To be included in each major deliverable (as defined in Task 1)
1	Written Monthly QA Report	To be included in the Monthly Progress Report (See Section D)
2	Updates to the project plan for this option period	Within 15 business days of the beginning of the option period
2	Updates to the schedule	updated schedules due within 5 business days of receiving direction from TOCOR
2	Updates to the Work Breakdown Structure (WBS)	Within 15 business days of the beginning of the option period

Task No.	Benchmark, Deliverable or Milestone	Schedule
2	Financial and Progress Reports to track project progress and status (per contract requirements)	Monthly
2	Participation in monthly project status calls	Monthly as directed by TOCOR
2	Project manager participation in weekly 30 minute status update meetings with the TOCOR and ATOCOR	Weekly as directed by TOCOR
2	Weekly meeting status notes	Within 2 business days following the completion of the meeting
2	Maintain monthly project team agendas, meeting minutes, and action items	Complete 1 week prior to the next monthly meeting as scheduled by the TOCOR
3	Option period planning meeting	Within 10 business days beginning of the option period
4	Participation in monthly STORET User Call	Monthly as directed by the TOCOR
4	Develop 2 Water Quality Portal use-case fact sheets that show existing or potential uses of the portal	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop and conduct webinars trainings (2) on WQX, WQX Web and the Water Quality Portal	Webinars will be scheduled by the TOCOR in consultation with the attendees and the contractor. Once scheduled, the contractor shall provide the webinar on schedule
4	Develop and conduct state/tribal on-site trainings (2) on WQX, WQX Web, and the Water Quality Portal	Trainings will be scheduled by the TOCOR in consultation with the trainees and the contractor. Once scheduled, the contractor shall provide the trainings on schedule

Task No.	Benchmark, Deliverable or Milestone	Schedule
5	Final list of 3 new partners and 1 new EPA data set to target for migration to WQX, which should include the schedule for engaging these new partners	Due within 10 business days from receiving direction from the TOCOR to proceed
5	Assessments of partner data sets and capabilities (3 non-EPA, 1 EPA)	Due within 10 business days following the initial meeting or visit with the partner or EPA office
5	Assistance plan for each of the new data partners (3 non-EPA, 1 EPA)	Due within 10 business days following the completion of the assessment of the partner data sets and capabilities
5	Migration assistance tools, procedures, and capabilities for the new data partners (3 non-EPA, 1 EPA)	Due within 30 business days following the approval of the assistance plan by the TOCOR
5	Transition plan/instructions for each of the new data partners (3 non-EPA, 1 EPA)	Due within 15 business days from receiving direction from the TOCOR to proceed
6	Contractor recommendation of the 1 tool to be developed in this period	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Scoping document outlining the proposed functionality and design of the tool	Due within 20 business days from receiving direction from the TOCOR to proceed
6	Test plan for testing the functionality of the 1 tool	Due within 10 business days from receiving direction from the TOCOR to proceed

Task No.	Benchmark, Deliverable or Milestone	Schedule
6	Draft tool (plan for 2 iterations)	Draft tool will be delivered no later than April 30, 2017 unless otherwise directed by the TOCOR. Iterations of the tool will be reported on to the TOCOR during the monthly and/or weekly meetings, with the first iteration complete within 30 business days of the approval of the scoping and design document
6	Final tool (delivered after final iteration)	Final tool will be delivered no later than May 31, 2017 unless otherwise directed by the TOCOR
6	Tool documentation and user guide	Due within 20 business days from receiving direction from the TOCOR to proceed
7	There is not expected to be any activity under Task 7 for Option Period 2	No scheduled deliverables for this option period

#### **D. REPORTING**

All documentation and reporting under this Task Order shall be in compliance with contract requirements. See contract clause F.2, F.3, and J.2 "List of Attachments, Number 2 - Reports of Work". The contractor shall prepare and furnish each month to the TOCOR a written summary of work performed, and progress towards the schedule of benchmarks, deliverables, and milestones which has been accomplished each month. The contractor shall also include in this item a brief written summary of any challenges encountered in the appropriate month.

In addition, the contractor shall identify and briefly describe in the written monthly report those QA / QC activities which were performed to support implementation of this task order, and furnish a brief written description of: problems encountered, and any deviations were occurred from: the QMP, any existing QAPP, any SOP's, checklists, or other QA guidance, as well as a description of the corrective actions taken.



#### **E. CONTRACTOR IDENTIFICATION**

Contractor personnel shall always identify themselves as Contractor employees by name and organization and physically display that information through an identification badge. Contractor personnel are prohibited from acting as the Agency's official representative.

The Contractor shall refer any questions relating to the interpretation of EPA policy, guidance, or regulation to the TOCOR.

#### **F. TRAVEL**

All performance, documentation and reporting of Contractor Travel under this Task Order shall be in compliance with contract requirements. Reference Contract Clause H-18.

#### **G. VALIDATION OF TASK ORDER DELIVERABLES FOR SECTION 508 COMPLIANCE**

The Contractor shall support the TOCOR in conducting a "Final Deliverable Validation" to ensure compliance with Section 508 and the Federal Acquisition Regulations (FAR) related to "electronic and information technology (EIT) deliverables". The Contractor shall furnish certification, in writing, to the TOCOR that the Contractor has complied with EPAAR Clause 1552.211-79 "Compliance with EPA Policies for Information Resources Management" (Reference Contract Clause C-1), including the requirement that all electronic and information technology (EIT) deliverables be Section 508 compliant in accordance with the policies referenced at <http://www.epa.gov/accessibility/>. Reference Contract Clause C-1 (c).

#### **H. CONFERENCE/MEETING GUIDELINES AND LIMITATIONS**

The contractor shall immediately notify the EPA Contracting Officer, PO, and TOCOR of any anticipated event involving support for a meeting, conference, workshop, symposium, retreat, seminar, or training that may potentially incur \$20,000 or more in cost during performance. Conference expenses are all direct and indirect costs paid by the government and include any associated authorized travel and per diem expenses, room charges for official business, audiovisual use, light refreshments, registration fees, ground transportation and other expenses as defined by the Federal Travel Regulations. All outlays for conference preparation should be included, but the federal employee time for conference preparation should not be included. After notifying EPA of the potential to reach this threshold, the Contractor shall not proceed with the task(s) until authorized to do so by the Contracting Officer.

#### **I. QUALITY ASSURANCE SURVEILLANCE PLAN**

Per contract requirements.

#### **J. NOTIFICATION OF COMPLETION OF TASK ORDER DELIVERABLES**

In the event the Task Order reaches thirty (30) days prior to the end of the Period of Performance and the contractor assesses that the contractor will not be able to satisfactorily complete any of the benchmarks, milestones, or deliverables by the end of the Performance Period, the contractor shall notify the TOCOR and the Contracting Officer (CO) immediately, in writing. Within five (5) business days of said notification, the TOCOR, in coordination with the CO, will provide technical direction concerning use of the remaining funding to prepare and furnish to the TOCOR: draft deliverables, interim work products, and any necessary working files in an electronic format which is supported by EPA.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
CINCINNATI, OHIO 45268

MEMORANDUM

**SUBJECT:** Communication Protocols  
**FROM:** Noelle Mills, Contracting Officer  
**TO:** Task Order Participants and Stakeholders

This memorandum outlines appropriate protocols, channels and limitations on communications associated with Task Order performance for all participants engaged in execution of this Task Order. This memorandum is intended for EPA staff, contractor personnel, and stakeholders.

Only the TOCOR, the Alternate TOCOR (in the TOCOR's absence), the Contract Level COR, and the Contracting Officer (CO) are authorized to give Technical Direction. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; or provides similar guidance. It includes evaluation of contractor performance and comments on deliverables. The Alternate TOCOR is only authorized to provide Technical Direction if the TOCOR is on leave or travel. Furthermore, Technical Direction must be within the scope of the contract and task order.

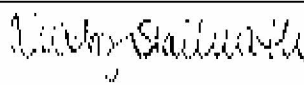
Technical Direction can only be given on an instrument to which that TOCOR has received specific authority from the CO. This authority is given via a designation memo signed by the Contracting Officer and provided at the time of appointment to the designated representatives for the contract/task order as well as the contractor. This authority cannot be delegated by the appointed TOCOR to another individual.

Technical direction must be issued in writing or if given verbally, confirmed in writing within 5 days after verbal issuance. The written copy must be provided to the contractor, the contract level COR and the CO. Technical Direction does not take the place of travel requests, training requests, property requests, or a well-written PWS with adequately detailed task descriptions. **If a contractor receives Technical Direction that is outside the protocols set forth above, they shall immediately notify the CO and shall not comply with the Technical Direction.**

Other individuals involved in the Task Order are authorized to engage in technical communications. Technical communications are the informal exchange of information between Federal employees and contractors. Such communication includes information exchanged on a broad range of topics such as, but not limited to: scientific information, research information, or information technology. Technical Communication is more general in nature than technical direction, does not direct the contractor, and is not binding on the contractor.

The EPA has a contract with the prime contractor. The EPA does not have privity of contract with subcontractors, meaning no contractual relationship exists between the EPA and these parties. Technical Direction cannot be provided directly to a subcontractor by the EPA TOCOR. All Technical Direction shall be issued to the prime contractor. Furthermore, Government personnel are prohibited from directing prime contractors to contract with specific firms, or to assist a prime contractor in selecting subcontractors, or personnel to be used on a subcontract. The prime contractor has been selected for its technical and management abilities, including the right to manage the contract and subcontractors used in the performance of the contract/task order.

If you have any questions concerning information included in this memorandum, please feel free to contact the Contract level COR, Chris Zabawa, at 202-566-1222, the Contract Specialist, Erin Ridder, at 513-487-2155 or the undersigned at 513-487-2171.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY (FOR U.S. MAIL ONLY) US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE CPOD		7. ADMINISTERED BY (If other than Item 6) CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE CPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  R T I International Attn: DEBORAH ELLISON PO BOX 12194 (b)(4) RESEARCH TRIANGLE PARK NC 277092194				(x)			
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
CODE (b)(4) FACILITY CODE				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-12-054 0008			
				10B. DATED (SEE ITEM 13) 11/04/2014			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
		D. OTHER (Specify type of modification and authority)					
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ 0 _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: (b)(4) Support for STORET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities  The purpose of this modification is to revise the LOE distribution to reflect the following for each period: Base Period LOE 3955, Option Period I 3532, and Option Period II 2562. TOPO: Charles Kovatch LIST OF CHANGES:  CHANGES FOR LINE ITEM NUMBER: 1-Base Period Continued ...  Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Courtney Stallworth			
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED		1"  ELECTRONIC SIGNATURE		16C. DATE SIGNED 11/18/2014	
NSN 7540-01-152-8070 Previous edition unusable				STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243			

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-C-12-054/0008/001

PAGE OF

2

3

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Description changed from Base Period- LOE 1,717 to Base Period - LOE 3,955</p> <p>CHANGES FOR LINE ITEM NUMBER: 2- Option Period I Description changed from Option Period I - LOE 1,968 to Option Period I - LOE 3,532</p> <p>CHANGES FOR LINE ITEM NUMBER: 3- Option Period II Description changed from Option Period II - LOE 1,262 to Option Period II - LOE 2,562</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive Durham NC 27711</p> <p>FOB: Destination Period of Performance: 11/04/2014 to 07/31/2015 All other terms and conditions shall remain unchanged.</p>				

## SECTION B - Supplies or Services/Prices

### B-1 EPAAR 1552.217-71 OPTION TO EXTEND THE TERM OF THE CONTRACT-COST-TYPE CONTRACT. (APR 1984)

The Government has the option to extend the term of this contract for 2 additional period(s). If more than 30 days remain in the contract period of performance, the Government, without prior written notification, may exercise this option by issuing a contract modification. To exercise this option within the last 30 days of the period of performance, the Government must provide to the Contractor written notification prior to that last 30-days of the period. This preliminary notification does not commit the Government to exercising the option. Use of an option will result in the following contract modifications:

(a) The "Period of Performance" clause will be amended to cover a base period and option periods:

Period	Start Date	End Date
Base Period	11/04/2014	07/31/2015
Option Period 1	08/01/2015	07/30/2016
Option Period 2	08/01/2016	07/30/2017

(b) Paragraph (a) of the "Level of Effort" clause will be amended to reflect a new and separate level of effort of:

Period	Level of Effort
Base Period	3955
Option Period 1	3532
Option Period 2	2562

(c) The "Estimated Cost and Fixed Fee" clause will be amended to reflect increased estimated costs and fixed fee for each option period as follows:

Period	Estimated Cost	Fixed Fee	Total CPFF
Option Period 1	(b)(4)	(b)(4)	\$316,698
Option Period 2			\$238,820

(d) If the contract contains "not to exceed amounts" for elements of other direct costs (ODC), those amounts will be increased as follows: N/A



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		<b>1. CONTRACT ID CODE</b>		<b>PAGE OF PAGES</b>	
				1 8	
<b>2. AMENDMENT/MODIFICATION NO.</b>		<b>3. EFFECTIVE DATE</b>		<b>4. REQUISITION/PURCHASE REQ. NO.</b>	
002		See Block 16C		PR-CPOD-15-00134	
<b>6. ISSUED BY</b>		<b>CODE</b>		<b>7. ADMINISTERED BY (If other than Item 6)</b>	
		CPOD		<b>CODE</b>	
				CPOD	
(FOR U.S. MAIL ONLY)				US Environmental Protection Agency	
US Environmental Protection Agency				26 West Martin Luther King Drive	
26 West Martin Luther King Drive				Mail Code: NWD	
Mail Code: NWD				Cincinnati OH 45268	
Cincinnati OH 45268					
<b>8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)</b>		<b>(X)</b>		<b>9A. AMENDMENT OF SOLICITATION NO.</b>	
R T I International					
Attn: DEBORAH ELLISON				<b>9B. DATED (SEE ITEM 11)</b>	
PO BOX 12194					
(b)(4)				<b>X</b>	
RESEARCH TRIANGLE PARK NC 277092194				<b>10A. MODIFICATION OF CONTRACT/ORDER NO.</b>	
				EP-C-12-054	
				0008	
<b>CODE</b>		<b>(b)(4)</b>		<b>10B. DATED (SEE ITEM 13)</b>	
				11/04/2014	
		<b>FACILITY CODE</b>			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<b>CHECK ONE</b>	<b>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.</b>
	<b>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).</b>
<b>X</b>	<b>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</b> EPAAR 1552.217-73, FAR 52.232-22, FAR 52.243-2 and EPAAR 1552.217-71
	<b>D. OTHER (Specify type of modification and authority)</b>

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: (b)(4)

Support for STORET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities

The purpose of this modification is 1.) Descope the Base Period by 90 hours in accordance with the revised PWS, 2.) Exercise Option Period I, 3.) Shift (b)(4) (Cost Only) from the Base Period to Option Period I, 4.) Change the Contract Specialist to Katie Rechenberg and 5.) Reduce the cost and fee of the base period of the task order as follows:

Original	Reduction	Revised CPFF (MOD 2)
Cost	(b)(4)	
Fee		
CPFF		
Continued		

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

**15A. NAME AND TITLE OF SIGNER (Type or print)**

Jennifer Lilje, Sr. Contracting Officer

**16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)**

Noelle Mills

**15B. CONTRACTOR/OFFEROR**

*Jennifer E. Lilje*

(Signature of person authorized to sign)

**15C. DATE SIGNED**

7/20/15

**16B. UNITED STATES OF AMERICA**

*Noelle Mills*

(Signature of Contracting Officer)

**16C. DATE SIGNED**

7/20/15

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-C-12-054/0008/002

PAGE

OF

2

8

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>TOCOR: Charles Kovatch</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Exercise an Option</p> <p>Total Amount for this Modification: \$0.00</p> <p>New Total Amount for this Version: \$691,150.00</p> <p>New Total Amount for this Award: \$929,970.00</p> <p>Requisitioner changed from to Kathleen Rechenberg</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Description changed from Base Period - Provide services in accordance with attached Performance Work Statement entitled, "SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities" This task order award is a result of RFP PR-OW-14-00607</p> <p>LOE 3,955 to Base Period - Provide services in accordance with attached Performance Work Statement entitled, "SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities" This task order award is a result of RFP PR-OW-14-00607</p> <p>LOE 3,865</p> <p>Obligated Amount for this modification: (b)(4)</p> <p>Incremental Funded Amount changed from (b)(4)</p> <p>CHANGES FOR DELIVERY LOCATION: OW-OWOW-AWPD-MB</p> <p>Amount changed from (b)(4) to (b)(4)</p> <p>Delivery Date Deleted :</p> <p>Previous Delivery Date: 09/26/2014</p> <p>CHANGES FOR ACCOUNTING CODE:</p> <p>14-15-B-87EH-202BE2-2505-LSHD0000-1487ME4050-002</p> <p>Amount changed from (b)(4) to (b)(4)</p> <p>CHANGES FOR LINE ITEM NUMBER: 2</p> <p>Obligated Amount for this modification: (b)(4)</p> <p>Incremental Funded Amount changed from (b)(4) to (b)(4)</p> <p>Exercised option</p> <p>NEW DELIVERY LOCATION RECORD:</p> <p>Quantity: 0</p> <p>Amount: \$316,698.00</p> <p>Days after award: Unassigned</p> <p>Shipping Address:</p> <p>Continued ...</p>				



NAME OF OFFEROR OR CONTRACTOR  
R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>OW</p> <p>US Environmental Protection Agency 26 West Martin Luther King Drive Cincinnati OH 45268</p> <p>Mark For Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 14-15-B-87EH-202BE2-2505-LSHD0000-1487ME4050-002 Beginning Fiscal Year 14 Ending Fiscal Year 15 Fund (Appropriation) B Budget Organization 87EH Program (PRC) 202BE2 Budget (BOC) 2505 Job # (Site/Project) LSHD0000 Cost Organization DCN-LineID 1487ME4050-002 Quantity: 0 Amount: <span style="border: 1px solid black; padding: 0 20px;">(b)(4)</span> Percent: 2.23273 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 11/04/2014 to 07/31/2016 In consideration of the modification agreed to herein complete equitable adjustments for the Contractor's Proposal dated 06/29/2015, the Contractor hereby releases the Government from any and all liability under this task order for further equitable adjustments attributable to such facts or circumstances giving rise to the Performance Work Statement changes included in this modification. All other terms and conditions remain unchanged. All other terms and conditions shall remain unchanged. All other terms Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-C-12-054/0008/002PAGE OF  
4 8NAME OF OFFEROR OR CONTRACTOR  
R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	and conditions shall remain unchanged.				

**Section B - Supplies or Services/Prices was revised as follows.**

1 - Clauses was revised as follows.

Summary of Clause Changes:

Clause, 1552.211-73, is incorporated as follows:

**BASE PERIOD:**

**Local Clauses 1552.211-73 LEVEL OF EFFORT - COST REIMBURSEMENT TERM CONTRACT (APR 1984) DEVIATION (AUG 1985)**

(a) The Contractor shall perform all work and provide all required reports within the level of effort specified below. The Government will order 3,865 direct labor hours for the base period which represents the Government's best estimate of the level of effort required to fulfill these requirements.

(b) Direct labor includes personnel such as engineers, scientists, draftsmen, technicians, statisticians, and programmers and not support personnel such as company management, typists, and key punch operators even though such support personnel are normally treated as direct labor by the Contractor. The level of effort specified in paragraph (a) includes Contractor, subcontractor, and consultant labor hours.

(c) Under any circumstances, if the Government orders or the Contractor provides less than 90 percent of the level of effort specified for the base period or any optional period exercised, an equitable downward adjustment of the fixed fee, if any, for that period will be made. The Government may require the Contractor to provide additional effort up to 110 percent of the level of effort for any period until the estimated cost for that period has been reached. However, this additional effort shall not result in any increase in the fixed fee, if any. If this is a cost-plus-incentive-fee (CPIF) contract, the term "fee" in this paragraph means "base fee and incentive fee." If this is a cost-plus-award-fee (CPAF) contract, the term "fee" in this paragraph means "base fee and award fee."

(d) If the level of effort specified to be ordered during a given base or option period is not ordered during that period, that level of effort may not be accumulated and ordered during a subsequent period.

(e) These terms and conditions do not supersede the requirements of either the "Limitation of Cost" or "Limitation of Funds" clauses.

(end of clause)

Clause, 1552.217-71, is incorporated by reference with information as follows:

**OPTION PERIOD 1:**

**Local Clauses 1552.211-73 LEVEL OF EFFORT - COST REIMBURSEMENT TERM CONTRACT (APR 1984) DEVIATION (AUG 1985)**

(a) The Contractor shall perform all work and provide all required reports within the level of effort specified below. The Government will order 3,532 direct labor hours for option period I which represents the Government's best estimate of the level of effort required to fulfill these requirements.

(b) Direct labor includes personnel such as engineers, scientists, draftsmen, technicians, statisticians, and programmers and not support personnel such as company management, typists, and key punch operators even

though such support personnel are normally treated as direct labor by the Contractor. The level of effort specified in paragraph (a) includes Contractor, subcontractor, and consultant labor hours.

(c) Under any circumstances, if the Government orders or the Contractor provides less than 90 percent of the level of effort specified for the base period or any optional period exercised, an equitable downward adjustment of the fixed fee, if any, for that period will be made. The Government may require the Contractor to provide additional effort up to 110 percent of the level of effort for any period until the estimated cost for that period has been reached. However, this additional effort shall not result in any increase in the fixed fee, if any. If this is a cost-plus-incentive-fee (CPIF) contract, the term "fee" in this paragraph means "base fee and incentive fee." If this is a cost-plus-award-fee (CPAF) contract, the term "fee" in this paragraph means "base fee and award fee."

(d) If the level of effort specified to be ordered during a given base or option period is not ordered during that period, that level of effort may not be accumulated and ordered during a subsequent period.

(e) These terms and conditions do not supersede the requirements of either the "Limitation of Cost" or "Limitation of Funds" clauses.

(end of clause)

Clause, EPA-B-16-102, is incorporated as follows:

**BASE PERIOD:**

**Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE**

- (a) The estimated cost of this contract is (b)(4)
- (b) The fixed fee is (b)(4)
- (c) The total estimated cost and fixed fee is (b)(4)

**OPTION PERIOD I:**

**Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE**

- (a) The estimated cost of this contract is (b)(4)
- (b) The fixed fee is (b)(4)
- (c) The total estimated cost and fixed fee is \$316,698.

Clause, EPA-B-32-101, is incorporated as follows:

**BASE PERIOD:**

**Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE**

- (b)(4) (a) Pursuant to the Limitation of Funds clause, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 07/31/2015.

(b) When the contract is fully funded as specified in the Estimated Cost and Fixed Fee Clause (EP 52.216-190), the Limitation of Cost clause shall become applicable.

(c) Recapitulation of Funds

SEE RECAP

#### **OPTION PERIOD 1:**

##### **Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE**

(a) Pursuant to the Limitation of Funds clause, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 08/08/2015.

(b) When the contract is fully funded as specified in the Estimated Cost and Fixed Fee Clause (EP 52.216-190), the Limitation of Cost clause shall become applicable.

(c) Recapitulation of Funds

SEE RECAP

#### **Section F - Deliveries or Performance was revised as follows.**

1 - Clauses was revised as follows.

Summary of Clause Changes:

Clause, EPA-F-12-101, is incorporated as follows:

##### **Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE**

The period of performance of this contract shall be from 11/4/2014 through 07/31/2016 inclusive of all required reports.

#### **Section G - Contract Administration Data was revised as follows.**

1 - Clauses was revised as follows.

Summary of Clause Changes:

Clause, EPA-G-42-101, is incorporated as follows:

##### **Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES**

Contracting Officials responsible for administering this contract are as follows:

Noelle Mills 26 West Martin Luther King Drive Mail Code: NWD1 Cincinnati, OH 45268 Phone: 513-487-2171  
mills.noelle@epa.gov

**Katie Rechenberg 26 West Martin Luther King Drive Mail Code: NWD1 Cincinnati, OH 45268 Phone: 513-487-2853 rechenberg.kathleen@epa.gov**

**EP-C-12-054 Task Order 0008**  
**Base Period (11/4/14-07/31/15)**

	<u>Estimated Cost</u>	<u>Fixed Fee</u>	<u>Cost Plus Fixed Fee</u>
Initial Award	(b)(4)	(b)(4)	\$300,000.00
MOD 2			(\$7,071.00)
Total Funded			\$292,929.00
Total Task Order			\$367,381.00
Balance Unfunded			\$74,452.00

**Option Period I (08/01/15-07/31/16)**

	<u>Estimated Cost</u>	<u>Fixed Fee</u>	<u>Cost Plus Fixed Fee</u>
MOD 2	(b)(4)	(b)(4)	\$7,071.00
Total Funded			\$7,071.00
Total Task Order			\$316,698.00
Balance Unfunded			\$309,627.00

**PERFORMANCE WORK STATEMENT**  
**TSAWP IDIQ MULTIPLE-AWARD CONTRACT**  
**TASK ORDER # 8, MOD 2**

**SUPPORT for STORET (STORAGE and RETRIEVAL) and WQX (Water quality Exchange) Data Enhancement Activities**

**A. BACKGROUND:**

EPA's STORage and RETrieval Warehouse (STORET) is the Agency's primary repository for storing ambient water quality data. STORET contains data of documented quality. It is also the primary means for states to satisfy their Clean Water Act (CWA) 106 grant requirements to annually provide water quality data to EPA. STORET provides a foundation for the Office of Water when analyzing national water quality trends and in making informed decisions on water quality issues. STORET provides an accessible and consistent national data format for analysis of the surface and groundwater quality of the United States to allow EPA and our customers to use the information to develop program products and provide overall information on program outcomes in the water. EPA's monitoring and assessment program maintains the STORET Warehouse to be a cross-jurisdictional source of data that organizations may use to assess water quality; in particular, for states that are required to assess water quality within the 305(b) and 303(d) Integrated Reporting process. In addition, STORET partners with the USGS to make data available from both agencies through the Water Quality Portal (see <http://waterqualitydata.us>) using WQX as a common data standard.

The purpose of this effort is to work with the data owners among EPA programs and federal, state, tribal, and public data partners to support water monitoring data sharing using WQX and increase water monitoring data utility out of STORET.

The contractor shall provide support to the EPA Task Order Contracting Officer Representative (TOCOR) by providing technical assistance in association with activities on STORET and WQX to enhance the data holdings and data analysis tools available to data users. This assistance shall support EPA's activities to increase the water data holdings in STORET through new or non-traditional data owners and make the data available to all users through the Portal. The non-traditional data owners include, but not limited to, EPA research projects, EPA geographic initiative projects, state agencies beyond the traditional water quality and CWA 106 reporting agency, and other data owners. EPA plans to support these data owners through outreach and technical support to identify new partners and provide assistance in migrating their data to WQX.

The contractor assistance shall also support EPA's activities to provide data analysis tools off of STORET. STORET has served as a repository for data users to search and retrieve water data for their own analysis. As the visibility and utility of water data increases, as exhibited in the high use of Portal web services, EPA is responding to user demand to develop analytical tools. These new tools will provide users with quick options to view the data in STORET and receive summary statistics and trends. The contractor shall support EPA in exploring options with EPA and state programs, like NPDES and non-point source, to develop tools that will help reduce the data discovery and analysis burdens for these programs.



Technical Direction may come from the EPA TOCOR, Alternate TOCOR if the TOCOR is on leave or travel, the PO, or the CO.

## **B. TASKS**

### **Task 1 – Quality Assurance/ Quality Control**

No changes

#### **1. Task 2 – Project Management**

No changes

#### **2. Task 3 – “Kick Off” meeting.**

Task Complete – No changes

#### **3. Task 4 – Training, Outreach, and Engagement with the STORET/WQX User Community**

##### **3.1. This Mod will involve changes to this task as follows:**

##### **3.1.1. Added**

##### **3.1.1.1. Task 4: Support STORET Help Desk**

##### **3.1.2. Descoped**

##### **3.1.2.1. Task 4: Develop 1 (down from 2) abbreviated user guides for WQX and WQX Web ranging 5-10 pages in length**

##### **3.1.2.2. Task 4: Develop 1 (down from 2) abbreviated training factsheets for the Water Quality Portal that are no more than 3 pages in length**

##### **3.1.2.3. Task 4: Develop 1 (down from 3) Water Quality Portal use-case factsheets that show existing or potential uses of the Portal**

4.1 Under this task, the contractor shall develop training and outreach materials in support of STORET, WQX, and the Water Quality Portal. In addition to developing these materials, the contractor shall participate in the monthly STORET user call to ensure that the contractor is hearing about the needs of the user community and provide user support assisting user questions through the STORET Help Desk.

The contractor shall evaluate the existing WQX and WQX Web user guides and provide recommendations on ways to streamline these user guides, with an intention to develop user guides that are smaller for specific audiences (with particular focus on tribes and citizen groups). Upon making these recommendations, the contractor shall work with the TOCOR to determine which of the recommendations to implement.

Since the release of the Water Quality Portal, the Portal has supported a growing number of users. However, there are still many potential users who are not yet aware of the Portal all materials must be 508 compliant. The contractor shall develop 2-3 page training factsheets for the Portal, as well as 2-page example use cases of the Portal. These materials will be used by EPA to expand the usage of the Portal.

As part of EPA's continued effort to support users of WQX Web and the Water Quality Portal, the contractor shall provide trainings, both webinar and on-site, for states, tribes, and citizen groups. The contractor shall use existing training materials, in addition to using the new abbreviated materials, developed under this task. The contractor shall be responsible for developing the agendas for the trainings, as well as any additional materials that will be needed for the training. For estimation purposes, the contractor shall plan for 2 webinar trainings in the base period and 2 webinar trainings for each of the option periods as well as 2 on-site trainings in the base period and 2 on-site trainings in each of the option periods. For estimation purposes, the contractor shall plan for travel for 2 trainers for each on-site training. For option period 1, the contractor shall plan for trainings in Chelmsford, MA and Denver, CO. On-site training will be 1 ½ days in length, and webinar trainings will be 4-6 hours in length. Webinar functionality and conference lines will be provided by EPA.

**4. Task 5 – Support for New Partners**

No changes

**5. Task 6 – Develop Data Analysis Tools**

No changes

**6. Task 7 Develop Citizen Scientist Secchi Dip-in Mobile App (Optional Task)**

**6.1. This Mod will involve changes to this task as follows:**

**6.1.1. Added**

**6.1.2. Task 7: Data system capacity testing support**

**6.1.3. Descoped**

**6.1.4. Task 7: Proposed approach for capturing, storing, sharing, and displaying data**

**6.1.5. Task 7: Mobile app for capturing data (platform to be identified in the proposed approach)**

**6.1.6. Task 7: Data system for capturing data and managing users**

**6.1.7. Task 7: Web interface for data submitters to be able to review, correct, and edit data**

**6.1.8. Task 7: Automated procedures for syncing data to WQX**

**6.1.9. Task 7: Migration of previous years' Secchi Dip-In data to WQX**

**6.1.10. Task 7: Data display tools (approach identified in the proposed approach)**

7.1 Since 1994, trained volunteer monitors have been taking water transparency readings in July, mostly at lakes and reservoirs (and some streams) they regularly monitor. These volunteers are members of many different monitoring programs around the U.S. and Canada and conduct the transparency readings using Secchi Disks, transparency tubes, and/or other devices supplied by their programs. They also submit information on waterbody identification, weather conditions, methodology (which may differ among programs) and general water quality and water use conditions.

Water transparency is a common measurement relating to the depth of light penetration. It provides a measure of the amount of suspended inorganic and organic matter in the water and over time can be used as an indicator of water quality change.

Under this optional task, the contractor shall work with the Global Lakes Ecological Observation Network (GLEON) to modify their Lake Observer Application to Beta-test the app with members of the volunteer water monitoring

community. The App will be modified to send water transparency data and location information to WQX/STORET during the Secchi Dip-In “window” of time (July of each year). The data shall be identified as Dip-In information for easy retrieval, output and analysis. Volunteers would also submit lake\_name, location, methodology, reporting units, and weather information chosen from a pick list.

The data shall be displayed on an interface, leveraging Geospatial services, displaying monitoring locations and Secchi depth averages. In addition, all data collected from previous Secchi Dip-In events shall be migrated to WQX/STORET.

Technical Design – The contractor shall consider the following components:

- The contractor, under the direction of the TOCOR, shall work with GLEON and North American Lake Monitoring System (NALMS) to identify a viable option that meets the needs of their volunteer community. The solution would need to support the following:
  - Data entry from a mobile device, specifically Windows, Android and IOS.
  - Data caching so that the mobile app could function in an off-line mode (many of the lakes may be in areas that don’t have cell coverage)
  - Syncing of data between the mobile app and a central server that manages the collected data
  - The mobile app shall have a simple interface, but still be able to provide all of the metadata needed to submit a complete dataset to WQX
  - Metadata shall be automatically populated where possible
  - A simple user interface that interacts with the central server
  - The central server shall automatically sync finalized data with WQX
- The contractor shall also explore ways to establish an automated registration capability to allow users to register to submit data as part of the Dip-In.

7.2 Data Migration - As part of the Secchi Dip-In, the contractor shall explore the options to migrate the previous years’ Secchi Dip-In data to WQX. We expect this to be a small effort since the data fields are limited to one result and associated metadata.

7.3 Training – As part of the Beta-test, the contractor shall develop and conduct 1-2 training webinars on the Lake Observer App and associated training documentation.

7.4 Technical Approach Review – All Agency products must go through mobile application review before development can begin. The contractor shall provide support in providing materials for internal EPA application development review.

Activity under this task will be spread over the base period and option period 1. There is not expected to be any activity under this task during option period 2.

#### C. SCHEDULE OF BENCHMARKS, DELIVERABLES & MILESTONES:

BASE YEAR (Tentatively September 30, 2014 – July 30, 2015):

Task No.	Benchmark, Deliverable or Milestone	Schedule
1	No changes	

Task No.	Benchmark/Deliverable or Milestone	Schedule
2	No Changes	
3	Task complete – no changes	
4	Participation in monthly STORET User Call	Monthly as directed by the TOCOR
4	Support WQX / STORET Help Desk	On going
4	Review of WQX and WQX Web user guides and provide options to develop abbreviated user guides to reach new users	Within 20 business days of receiving direction from the TOCOR to proceed
4	Develop 1 abbreviated user guide for WQX and WQX Web ranging 5-10 pages in length	Each draft user guide sheet is due within 20 business days of receiving direction from the TOCOR to proceed and each final fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop 1 abbreviated training fact-sheets for the Water Quality Portal that are no more than 3 pages in length	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop 1 Water Quality Portal use-case fact sheets that show existing or potential uses of the portal	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR

Task No.	Benchmark, Deliverable or Milestone	Schedule
4	Develop and conduct webinars trainings (2) on WQX, WQX Web and the Water Quality Portal	Webinars will be scheduled by the TOCOR in consultation with the attendees and the contractor. Once scheduled, the contractor shall provide the webinar on schedule
4	Develop and conduct state/tribal on-site trainings (2) on WQX, WQX Web, and the Water Quality Portal	Trainings will be scheduled by the TOCOR in consultation with the trainees and the contractor. Once scheduled, the contractor shall provide the trainings on schedule
5	No changes	
6	No changes	
7	Test plan	Due within 10 business days from receiving direction from the TOCOR to proceed
7	Documentation of mobile app and data system including user guide and factsheet	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Mapping of previous years' Secchi Dip-In data to WQX	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Training for NALMS staff and Beta testers	Training will be scheduled by the TOCOR in consultation with GLEON, NALMS and contractor. Once scheduled, the contractor shall provide the training as scheduled.

Option Period 1 (August 1, 2015 – July 30, 2016):

Task No.	Benchmark, Deliverable or Milestone	Schedule
1	Notification that changes are warranted related to QA	Within one day of occurrence
1	Formal QA/QC Section	To be included in each major deliverable (as defined in Task 1)
1	Written Monthly QA Report	To be included in the Monthly Progress Report (See Section D)
2	Updates to the project plan for this option period	Within 15 business days of the beginning of the option period
2	Updates to the schedule	updated schedules due within 5 business days of receiving direction from TOCOR
2	Updates to the Work Breakdown Structure (WBS)	Within 15 business days of the beginning of the option period
2	Financial and Progress Reports to track project progress and status (per contract requirements)	Monthly
2	Participation in monthly project status calls	Monthly as directed by TOCOR
2	Project manager participation in weekly 30 minute status update meetings with the TOCOR and ATOCOR	Weekly as directed by TOCOR
2	Weekly meeting status notes	Within 2 business days following the completion of the meeting
2	Maintain monthly project team agendas, meeting minutes, and action items	Complete 1 week prior to the next monthly meeting as scheduled by the TOCOR
3	Option period planning meeting	Within 10 business days of beginning of the option period
4	Participation in monthly STORET User Call	Monthly as directed by the TOCOR
4	Support WQX / STORET Help Desk	On going

Task No.	Benchmark, Deliverable or Milestone	Schedule
4	Develop 2 Water Quality Portal use-case fact sheets that show existing or potential uses of the portal	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop and conduct webinars trainings (2) on WQX, WQX Web and the Water Quality Portal	Webinars will be scheduled by the TOCOR in consultation with the attendees and the contractor. Once scheduled, the contractor shall provide the webinar on schedule
4	Develop 1 version abbreviated training factsheet for Tribes to build WQX capacity	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Develop and conduct state/tribal on-site trainings (2) on WQX, WQX Web, and the Water Quality Portal	Trainings will be scheduled by the TOCOR in consultation with the trainees and the contractor. Once scheduled, the contractor shall provide the trainings on schedule
5	Final list of 3 new partners and 1 new EPA data set to target for migration to WQX, which should include the schedule for engaging these new partners	Due within 10 business days from receiving direction from to proceed from the TOCOR
5	Assessments of partner data sets and capabilities (3 non-EPA, 1 EPA)	Due within 10 business days following the initial meeting or visit with the partner or EPA office
5	Assistance plan for each of the new data partners (3 non-EPA, 1 EPA)	Due within 10 business days following the completion of

Task No.	Benchmark, Deliverable or Milestone	Schedule
		the assessment of the partner data sets and capabilities
5	Migration assistance tools, procedures, and capabilities for the new data partners (3 non-EPA, 1 EPA)	Due within 30 business days following the approval of the assistance plan by the TOCOR
5	Transition plan/instructions for each of the new data partners (3 non-EPA, 1 EPA)	Due within 15 business days from receiving direction from the TOCOR to proceed
6	Contractor recommendation of the 2 tools to be developed in this period	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Scoping document outlining the proposed functionality and design of the tools	Due within 20 business days from receiving direction from the TOCOR to proceed
6	Test plan for testing the functionality of the 2 tools	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Draft tools (plan for 2 iterations each)	Draft tools will be delivered no later than April 30, 2016 unless otherwise directed by the TOCOR. Iterations of the tools will be reported on to the TOCOR during the monthly and/or weekly meetings, with the first iteration complete within 30 business days of the approval of the scoping and design document
6	Final tools (delivered after final iteration)	Final tools will be delivered no later than May 31, 2016 unless otherwise directed by the TOCOR
6	Tools documentation and user guides	Due within 20 business days from receiving direction from the TOCOR to proceed



Task No.	Benchmark, Deliverable or Milestone	Schedule
7	Data system for capturing data and managing users	Due within 40 business days from receiving direction from the TOCOR to proceed
7	Automated procedures for synching data to WQX	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Test and Launch Plan	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Training for NALMS staff	Training will be scheduled by the TOCOR in consultation with NALMS and the contractor. Once scheduled, the contractor shall provide the training as scheduled
7	On-line training module for Secchi Dip-In participants	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Migration of previous years' Secchi Dip-In data to WQX	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Proposed approach for capturing, storing, sharing, and displaying data	Due within 15 business days from receiving direction from the TOCOR to proceed
7	Mobile app support for capturing data	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Web interface for data submitters to be able to view and display data	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Data display tools (approach to identified)	Due within 30 business days from receiving direction from the TOCOR to proceed
7	Documentation of mobile app and data system including user guide and factsheet	Due within 15 business days from receiving direction from the TOCOR to proceed

Task No.	Benchmark, Deliverable or Milestone	Schedule
7	Transition tools and capability to NALMS and EPA	Due within 30 business days from receiving direction from the TOCOR to proceed

**Option Period 2 (August 1, 2016 – July 30, 2017):**

Task No.	Benchmark, Deliverable or Milestone	Schedule
1	Notification that changes are warranted related to QA	Within one day of occurrence
1	Formal QA/QC Section	To be included in each major deliverable (as defined in Task 1)
1	Written Monthly QA Report	To be included in the Monthly Progress Report (See Section D)
2	Updates to the project plan for this option period	Within 15 business days of the beginning of the option period
2	Updates to the schedule	updated schedules due within 5 business days of receiving direction from TOCOR
2	Updates to the Work Breakdown Structure (WBS)	Within 15 business days of the beginning of the option period
2	Financial and Progress Reports to track project progress and status (per contract requirements)	Monthly
2	Participation in monthly project status calls	Monthly as directed by TOCOR
2	Project manager participation in weekly 30 minute status update meetings with the TOCOR and ATOCOR	Weekly as directed by TOCOR
2	Weekly meeting status notes	Within 2 business days following the completion of the meeting
2	Maintain monthly project team agendas, meeting minutes, and action items	Complete 1 week prior to the next monthly meeting as scheduled by the TOCOR

Task No.	Benchmark, Deliverable or Milestone	Schedule
3	Option period planning meeting	Within 10 business days beginning of the option period
4	Participation in monthly STORET User Call	Monthly as directed by the TOCOR
4	Develop 2 Water Quality Portal use-case fact sheets that show existing or potential uses of the portal	Each <u>draft</u> fact sheet is due within 15 business days of receiving direction from the TOCOR to proceed and each <u>final</u> fact sheet is due within 10 business days from receiving comments from the TOCOR
4	Support WQX / STORET Help Desk	On going
4	Develop and conduct webinars trainings (2) on WQX, WQX Web and the Water Quality Portal	Webinars will be scheduled by the TOCOR in consultation with the attendees and the contractor. Once scheduled, the contractor shall provide the webinar on schedule
4	Develop and conduct state/tribal on-site trainings (2) on WQX, WQX Web, and the Water Quality Portal	Trainings will be scheduled by the TOCOR in consultation with the trainees and the contractor. Once scheduled, the contractor shall provide the trainings on schedule
5	Final list of 3 new partners and 1 new EPA data set to target for migration to WQX, which should include the schedule for engaging these new partners	Due within 10 business days from receiving direction from to proceed from the TOCOR
5	Assessments of partner data sets and capabilities (3 non-EPA, 1 EPA)	Due within 10 business days following the initial meeting or visit with the partner or EPA office

Task No.	Benchmark, Deliverable or Milestone	Schedule
5	Assistance plan for each of the new data partners (3 non-EPA, 1 EPA)	Due within 10 business days following the completion of the assessment of the partner data sets and capabilities
5	Migration assistance tools, procedures, and capabilities for the new data partners (3 non-EPA, 1 EPA)	Due within 30 business days following the approval of the assistance plan by the TOCOR
5	Transition plan/instructions for each of the new data partners (3 non-EPA, 1 EPA)	Due within 15 business days from receiving direction from the TOCOR to proceed
6	Contractor recommendation of the 1 tool to be developed in this period	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Scoping document outlining the proposed functionality and design of the tool	Due within 20 business days from receiving direction from the TOCOR to proceed
6	Test plan for testing the functionality of the 1 tool	Due within 10 business days from receiving direction from the TOCOR to proceed
6	Draft tool (plan for 2 iterations)	Draft tool will be delivered no later than April 30, 2017 unless otherwise directed by the TOCOR. Iterations of the tool will be reported on to the TOCOR during the monthly and/or weekly meetings, with the first iteration complete within 30 business days of the approval of the scoping and design document
6	Final tool (delivered after final iteration)	Final tool will be delivered no later than May 31, 2017 unless otherwise directed by the TOCOR

Task No.	Benchmark, Deliverable or Milestone	Schedule
6	Tool documentation and user guide	Due within 20 business days from receiving direction from the TOCOR to proceed
7	There is not expected to be any activity under Task 7 for Option Period 2	No scheduled deliverables for this option period

#### **D. REPORTING**

All documentation and reporting under this Task Order shall be in compliance with contract requirements. See contract clause F.2, F.3, and J.2 "List of Attachments, Number 2 - Reports of Work". The contractor shall prepare and furnish each month to the TOCOR a written summary of work performed, and progress towards the schedule of benchmarks, deliverables, and milestones which has been accomplished each month. The contractor shall also include in this item a brief written summary of any challenges encountered in the appropriate month.

In addition, the contractor shall identify and briefly describe in the written monthly report those QA / QC activities which were performed to support implementation of this task order, and furnish a brief written description of: problems encountered, and any deviations were occurred from: the QMP, any existing QAPP, any SOP's, checklists, or other QA guidance, as well as a description of the corrective actions taken.

#### **E. CONTRACTOR IDENTIFICATION**

Contractor personnel shall always identify themselves as Contractor employees by name and organization and physically display that information through an identification badge. Contractor personnel are prohibited from acting as the Agency's official representative.

The Contractor shall refer any questions relating to the interpretation of EPA policy, guidance, or regulation to the TOCOR.

#### **F. TRAVEL**

All performance, documentation and reporting of Contractor Travel under this Task Order shall be in compliance with contract requirements. Reference Contract Clause H-18.

#### **G. VALIDATION OF TASK ORDER DELIVERABLES FOR SECTION 508 COMPLIANCE**

The Contractor shall support the TOCOR in conducting a "Final Deliverable Validation" to ensure compliance with Section 508 and the Federal Acquisition Regulations (FAR) related to "electronic and information technology (EIT) deliverables". The Contractor shall furnish certification, in writing, to the TOCOR that the Contractor has complied with EPAAR Clause 1552.211-79 "Compliance with EPA Policies for Information Resources

Management” (Reference Contract Clause C-1), including the requirement that all electronic and information technology (EIT) deliverables be Section 508 compliant in accordance with the policies referenced at <http://www.epa.gov/accessibility/> . Reference Contract Clause C-1 (c).

#### **H. CONFERENCE/MEETING GUIDELINES AND LIMITATIONS**

The contractor shall immediately notify the EPA Contracting Officer, PO, and TOCOR of any anticipated event involving support for a meeting, conference, workshop, symposium, retreat, seminar, or training that may potentially incur \$20,000 or more in cost during performance. Conference expenses are all direct and indirect costs paid by the government and include any associated authorized travel and per diem expenses, room charges for official business, audiovisual use, light refreshments, registration fees, ground transportation and other expenses as defined by the Federal Travel Regulations. All outlays for conference preparation should be included, but the federal employee time for conference preparation should not be included. After notifying EPA of the potential to reach this threshold, the Contractor shall not proceed with the task(s) until authorized to do so by the Contracting Officer.

#### **I. QUALITY ASSURANCE SURVEILLANCE PLAN**

Per contract requirements.

#### **J. NOTIFICATION OF COMPLETION OF TASK ORDER DELIVERABLES**

In the event the Task Order reaches thirty (30) days prior to the end of the Period of Performance and the contractor assesses that the contractor will not be able to satisfactorily complete any of the benchmarks, milestones, or deliverables by the end of the Performance Period, the contractor shall notify the TOCOR and the Contracting Officer (CO) immediately, in writing. Within five (5) business days of said notification, the TOCOR, in coordination with the CO, will provide technical direction concerning use of the remaining funding to prepare and furnish to the TOCOR: draft deliverables, interim work products, and any necessary working files in an electronic format which is supported by EPA.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 4	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
003		See Block 16C		PR-OW-15-00471			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
		CPOD				CPOD	
(FOR U.S. MAIL ONLY) US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268				CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x) 9A. AMENDMENT OF SOLICITATION NO.			
R T I International Attn: DEBORAH ELLISON PO BOX 12194 (b)(4) RESEARCH TRIANGLE PARK NC 277092194							
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-12-054 0008			
				10B. DATED (SEE ITEM 13) 11/04/2014			
CODE		(b)(4)		FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$25,000.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X		D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds					
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: (b)(4)							
Support for STORET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities							
The purpose of this modification is to incrementally fund Option Period I.							
TOCOR: Charles Kovatch							
LIST OF CHANGES:							
Reason for Modification : Funding Only Action							
Obligated Amount for this Modification: \$25,000.00							
CHANGES FOR LINE ITEM NUMBER: 2							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Noelle Mills			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 08/05/2015	
NSN 7540-01-152-8070 Previous edition unusable				STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243			

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-C-12-054/0008/003	2	4

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this modification: \$25,000.00 Incremental Funded Amount changed from \$7,071.00 to \$32,071.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 14-15-B-BE00EEN-ZZZJE5-2584-15BEER0005-001 Beginning FiscalYear 14 Ending Fiscal Year 15 Fund (Appropriation) B Budget Organization BE00EEN Program (PRC) ZZZJE5 Budget (BOC) 2584 Job # (Site/Project) LSHM0000 Cost Organization DCN-LineID 15BEER0005-001 Quantity: 0 Amount: \$5,659.00 Percent: 1.78688 Subject To Funding: N Payment Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 15-16-B-BE00EEN-ZZZJE5-2584-15BEER0005-002 Beginning FiscalYear 15 Ending Fiscal Year 16 Fund (Appropriation) B Budget Organization BE00EEN Program (PRC) ZZZJE5 Budget (BOC) 2584 Job # (Site/Project) LSHM0000 Cost Organization DCN-LineID 15BEER0005-002 Quantity: 0 Amount: \$19,341.00 Percent: 6.10708 Subject To Funding: N Payment Address: Delivery Location Code: OW OW US Environmental Protection Agency 26 West Martin Luther King Drive Cincinnati OH 45268 USA</p> <p>Continued ...</p>				



## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-C-12-054/0008/003

PAGE OF

3

4

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 11/04/2014 to 07/31/2016 All other terms and conditions shall remain unchanged.				

**Section B - Supplies or Services/Prices was revised as follows.**

1 - Clauses was revised as follows.

Summary of Clause Changes:

Clause, EPA-B-32-101, is incorporated as follows:

**Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE**

(a) Pursuant to the Limitation of Funds clause, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 08/28/2015.

(b) When the contract is fully funded as specified in the Estimated Cost and Fixed Fee Clause (EP 52.216-190), the Limitation of Cost clause shall become applicable.

(c) Recapitulation of Funds

See Recap

**Option Period I (08/01/15-07/31/16)**

	<u>Estimated Cost</u>	<u>Fixed Fee</u>	<u>Cost Plus Fixed Fee</u>
MOD 2	(b)(4)	(b)(4)	\$7,071.00
MOD 3			\$25,000.00
Total Funded			\$32,071.00
Total Task Order			\$316,698.00
Balance Unfunded			\$284,627.00

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-CPOD-15-00172	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE CPOD (FOR U.S. MAIL ONLY) US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		7. ADMINISTERED BY (If other than item 6) CODE CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) R T I International Attn: DEBORAH ELLISON PO BOX 12194 (b)(4) RESEARCH TRIANGLE PARK NC 277092194		(x) 9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE (b)(4)		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-12-054 0008 10B. DATED (SEE ITEM 13) 11/04/2014	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

- ☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: (b)(4)


Support for STORET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities

The purpose of this modification to 1) shift \$10,000 of the remaining FY 14/15 funds in the Base Period to Option Period I and shift \$10,000 of the FY 15/16 funds in Option Period I to the Base Period for a net change in funding of zero for each period and 2) Change the TOCOR and ALT TOCOR.

TOCOR: Dwane Young

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Noelle Mills	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	15B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 9/2/15

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-C-12-054/0008/004

PAGE OF

2

4

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>LIST OF CHANGES:</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>CHANGES FOR ACCOUNTING CODE: 14-15-B-87FM-202BD4XPQ-2505-LSHD0000-1487ME4050-001 Amount changed from \$154,000.00 to \$144,000.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 15-16-B-BE00EEN-ZZZJE5-2584-LSHM0000-15BEER0005-002 Beginning FiscalYear 15 Ending Fiscal Year 16 Fund (Appropriation) B Budget Organization BE00EEN Program (PRC) ZZZJE5 Budget (BOC) 2584 Job # (Site/Project) LSHM0000 Cost Organization DCN-LineID 15BEER0005-002 Amount: \$10,000.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 2</p> <p>CHANGES FOR ACCOUNTING CODE: 15-16-B-BE00EEN-ZZZJE5-2584-LSHM0000-15BEER0005-002 Amount changed from \$19,341.00 to \$9,341.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 14-15-B-87FM-202BD4XPQ-2505-LSHD0000-1487ME4050-001 Beginning FiscalYear 14 Ending Fiscal Year 15 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 202BD4XPQ Budget (BOC) 2505 Job # (Site/Project) LSHD0000 Cost Organization DCN-LineID 1487ME4050-001 Amount: \$10,000.00</p> <p>Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-C-12-054/0008/004

PAGE OF

3

4

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 11/04/2014 to 07/31/2016 All other terms and conditions shall remain unchanged.				

**Section G - Contract Administration Data was revised as follows.**

1 - Clauses was revised as follows.

Summary of Clause Changes:

Clause, EPA-G-42-101, is incorporated as follows:

**Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES**

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this task order are as follows:

TOCOR: Dwane Young USEPA Headquarters William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 4503T Washington, DC 20460 Phone: 202-566-1214 Young.dwane@Epa.gov

ALT TOCOR: Kevin Christian USEPA Headquarters William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 4503T Washington, DC 20460 Phone: 202-566-1180 christian.kevin@Epa.gov

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1   4	
2. AMENDMENT/MODIFICATION NO. 005		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE CPOD		7. ADMINISTERED BY (If other than Item 6) CODE CPOD	
(FOR U.S. MAIL ONLY) US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  R T I International Attn: DEBORAH ELLISON PO BOX 12194 (b)(4) RESEARCH TRIANGLE PARK NC 277092194		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-12-054 0008	
				10B. DATED (SEE ITEM 13) 11/04/2014	
CODE (b)(4)		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule Net Increase: \$284,000.00

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not. ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: (b)(4)  
Support for STORET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities

The purpose of this modification to incrementally fund Option Period I.

TCCOR: Dwane Young

LIST OF CHANGES:

Reason for Modification: Funding Only Action

Obligated Amount for this Modification: \$284,000.00

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Noelle Mills	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 09/10/2015



<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-C-12-054/0008/005	2	4

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Incremental Funded Amount changed: from \$325,000.00 to \$609,000.00 CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: \$284,000.00 Incremental Funded Amount changed from \$32,071.00 to \$316,071.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 15-16-B-87FM-202BD4XPQ-2505-1587ME5020-001 Beginning FiscalYear 15 Ending Fiscal Year 16 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 202BD4XPQ Budget (BOC) 2505 Job # (Site/Project) LSHM0000 Cost Organization DCN-LineID 1587ME5020-001 Quantity: 0 Amount: \$265,000.00 Percent: 83.67593 Subject To Funding: N Payment Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 15-16-B-87FM-202BD4XPQ-2505-1587ME5038-002 Beginning FiscalYear 15 Ending Fiscal Year 16 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 202BD4XPQ Budget (BOC) 2505 Job # (Site/Project) LFTD0000 Cost Organization DCN-LineID 1587ME5038-002 Quantity: 0 Amount: \$18,050.00 Percent: 5.69944 Subject To Funding: N Payment Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 15-16-B-87FM-202BD4XPQ-2505-1587ME5038-003 Beginning FiscalYear 15 Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-C-12-054/0008/005

PAGE OF

3

4

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Ending Fiscal Year 16 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 202BD4XPQ Budget (BOC) 2505 Job # (Site/Project) LFTDSC00 Cost Organization DCN-LineID 1587ME5038-003 Quantity: 0 Amount: \$950.00 Percent: .29997 Subject To Funding: N Payment Address: Delivery Location Code: OW OW US Environmental Protection Agency 26 West Martin Luther King Drive Cincinnati OH 45268 USA  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 11/04/2014 to 07/31/2016 All other terms and conditions shall remain unchanged.				

**Section B - Supplies or Services/Prices was revised as follows.**

1 - Clauses was revised as follows.

Summary of Clause Changes:

Clause, EPA-B-32-101, is incorporated as follows:

**OPTION PERIOD I:**

**Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE**

(a) Pursuant to the Limitation of Funds clause, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 06/22/2016.

(b) When the contract is fully funded as specified in the Estimated Cost and Fixed Fee Clause (EP 52.216-190), the Limitation of Cost clause shall become applicable.

(c) Recapitulation of Funds

	<b>Option Period I (08/01/15-07/31/16)</b>		
	<u>Estimated Cost</u>	<u>Fixed Fee</u>	<u>Cost Plus Fixed Fee</u>
MOD 2	(b)(4)	(b)(4)	\$7,071.00
MOD 3			\$25,000.00
MOD 4			
MOD 5			\$284,000.00
Total Funded			\$316,071.00
Total Task Order			\$316,698.00
Balance Unfunded			\$627.00

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 006		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY (FOR U.S. MAIL ONLY) US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE CPOD		7. ADMINISTERED BY (If other than Item 6) CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE CPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  R T I International Attn: DEBORAH ELLISON PO BOX 12194 (b)(4) RESEARCH TRIANGLE PARK NC 277092194				(x)			
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-12-054 0008			
CODE (b)(4)				FACILITY CODE			
				10B. DATED (SEE ITEM 13) 11/04/2014			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X		D. OTHER (Specify type of modification and authority) 52.243-2 Changes-Cost Reimbursement					
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: (b)(4) Support for STORET (Storage and Retrieval) and WQX (Water Quality Exchange) Data Enhancement Activities  The purpose of this modification is to revise Tasks 4, 5, 6 and 7 with no additional cost or level of effort for the task order as agreed upon by the contractor in the email dtd 3/1/16 herein incorporated by reference. TOCOR: Dwane Young LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope Total Amount for this Modification: \$0.00 Continued ...  Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Noelle Mills			
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)		16C. DATE SIGNED 03/23/2016	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-C-12-054/0008/006	2	3

NAME OF OFFEROR OR CONTRACTOR

R T I International

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Amount for this Version: \$0.00</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center</p> <p>Mail Drop D143-02</p> <p>109 TW Alexander Drive</p> <p>Durham NC 27711</p> <p>Period of Performance: 11/04/2014 to 07/31/2016</p> <p>In consideration of the modification agreed to herein, the Contractor hereby releases the Government from any and all liability under this Task Order for adjustments attributable to such facts or circumstances giving rise to the Performance Work Statement changes included in this modification. All other terms and conditions shall remain unchanged.</p>				